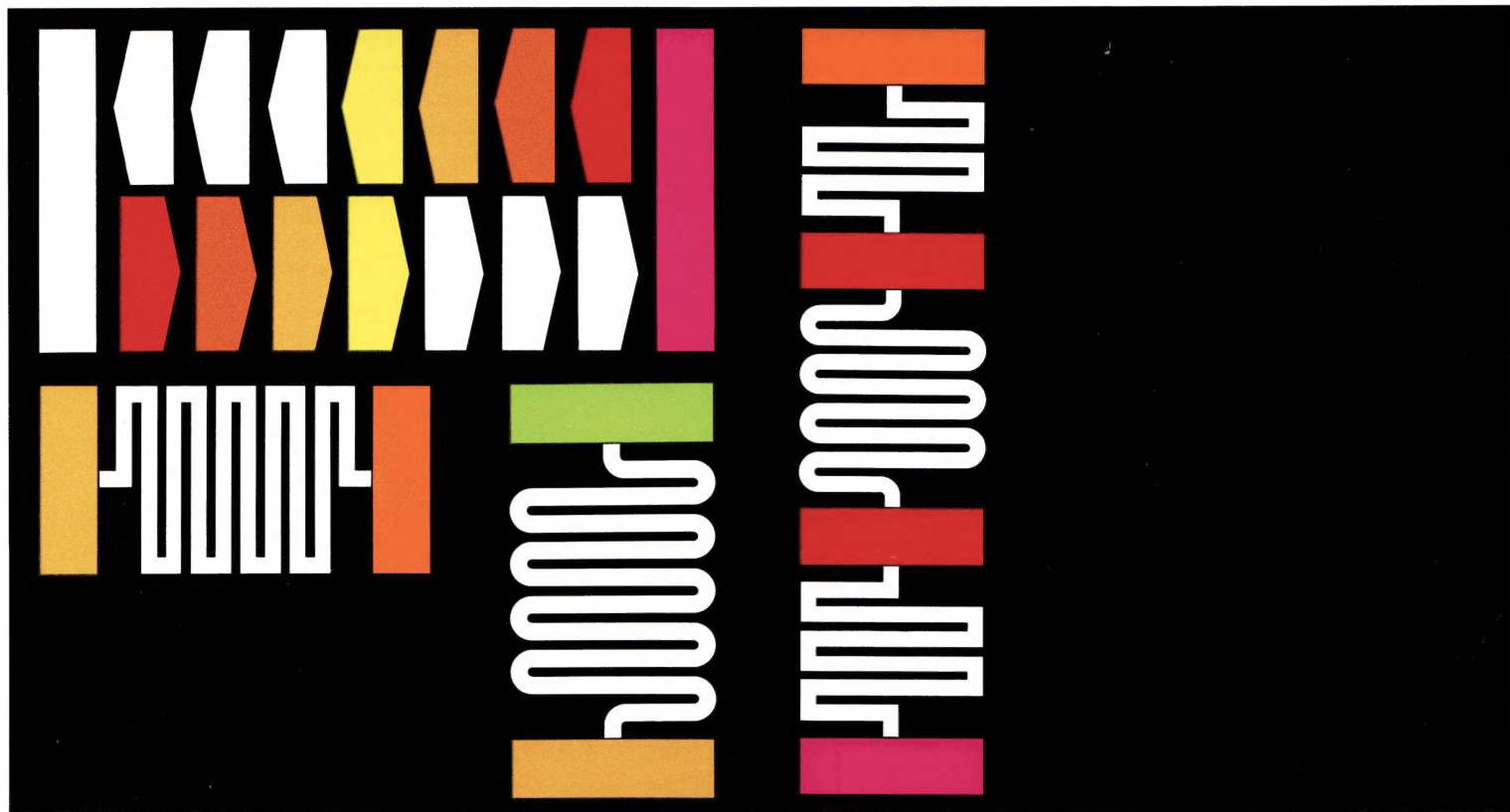


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# How to apply for a Telecom Data Service

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Telecom – the major force in data communications



**Telecom Australia**  
Better for Business

**Telecom** offers a range of data transmission services to satisfy a wide variety of customer computer applications.

Each service provides a number of facility options which are priced in different ways. Before applying for a specific data service therefore, it is recommended that you contact the Telecom Data Office in your State to verify that the service you have selected will adequately cater for your specific application.

#### **Selecting the Right Data Service**

Many factors must be considered in choosing the right service for your particular needs. These include:

- the application/s to be computerised
- the frequency of transaction with the computer
- the volume of information to be transacted
- the urgency of computerisation of the information, and response times required
- the locations of your computer and remote terminals
- the acceptable error rate performance
- reliability and availability requirements

- the facilities provided in your data terminal equipment

- your data communications budget

A balanced decision therefore needs to be made taking most or all of these factors into consideration. Telecom can assist in this regard with its Australia wide advisory expertise.

#### **Telecom's Advisory and Professional Consultancy Services**

A free advisory service is readily available from the Telecom Data Offices in all capital cities to help you with advice or further information about any of our Data Services. Technical and commercial literature, (Facilities Handbooks, Price Lists, etc.) on these Services is also available from the Data Offices which are listed overleaf.

In addition, Telecom offers a Professional Consultancy Service for customers seeking expert assistance in the planning and design of a new data communications network, or in the upgrading of an existing one. Initial inquiries for this service may be directed to the Data Office Staff.

A charge is levied for this professional service.

## **Data Services Offered by Telecom**

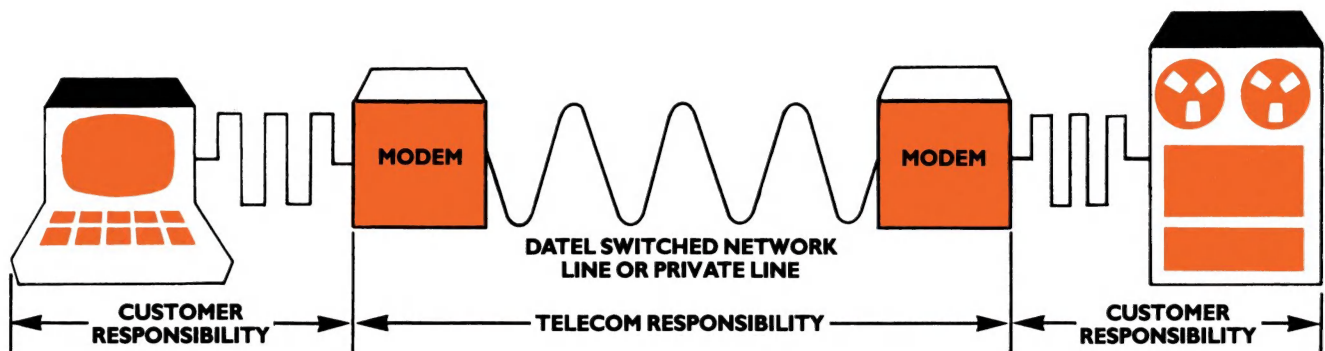
### **Datel Service**

Switched Network (dial-up) services and Private Line (dedicated) services on Datel can be provided throughout Australia using the Telecom network. Data transmission speeds range from 300 bits per second (bit/s) to 9600 bit/s for switched services and up to 72 kilobit/s for private lines.

Data transmission facilities cater for point-to-point,

multipoint and loop networks and include such options as alternative voice/data links and the fall back facility from a Private Line to a Switched Network operation.

Enhancements to the wide range of facilities are ongoing. Contact Telecom's Data advisers who will be pleased to provide you with the latest information in more detail.



### **Datel/DDS/Austpac Maintenance:**

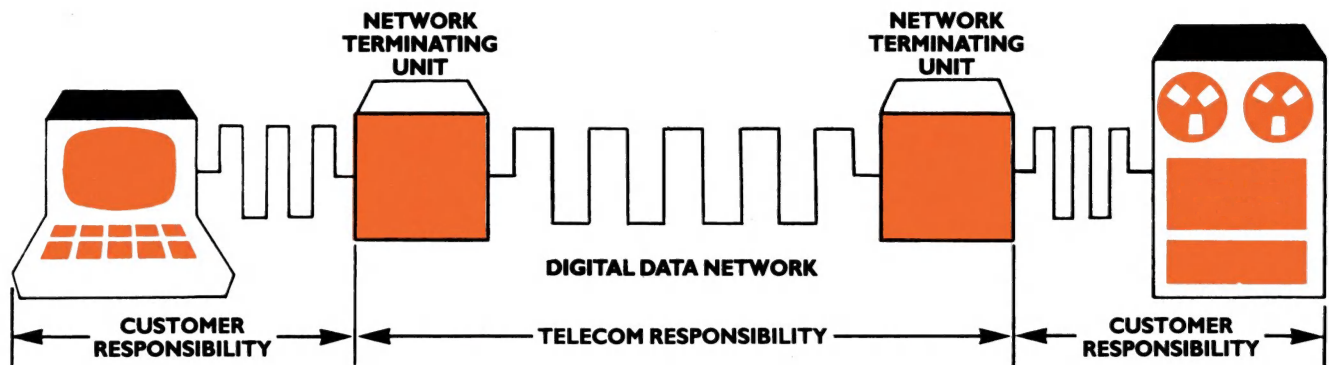
Telecom maintenance support is available throughout Australia for the end-to-end digital performance of all these services.



## Digital Data Service (DDS)

Services on DDS are provided on a public data network specifically designed for data transmission. Synchronous leased line services which are functionally similar to and plug compatible with corresponding Datel Services cater for a wide range

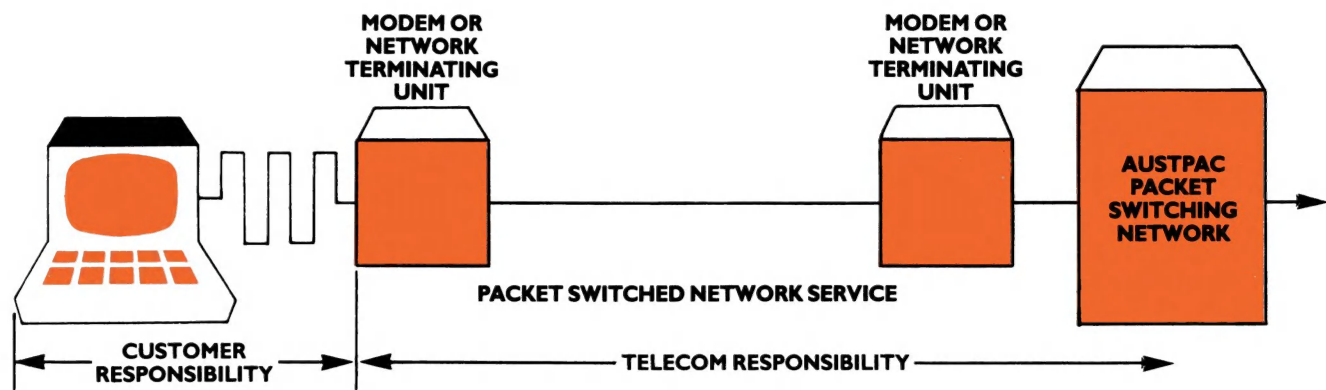
of users, in particular those with large national networks. DDS also offers network multiplexing facilities in the Netplex and Netstream configurations. Data transmission speeds range from 2400 bit/s to 48 kilobit/s.



## Austpac

This switched data communications network utilizes packet switching technology and offers distance independent pricing. Some of the features of packet switching that benefit data communication users are simplification of communication control procedures and equipment, virtually error-free transmission, security of data, and interworking between

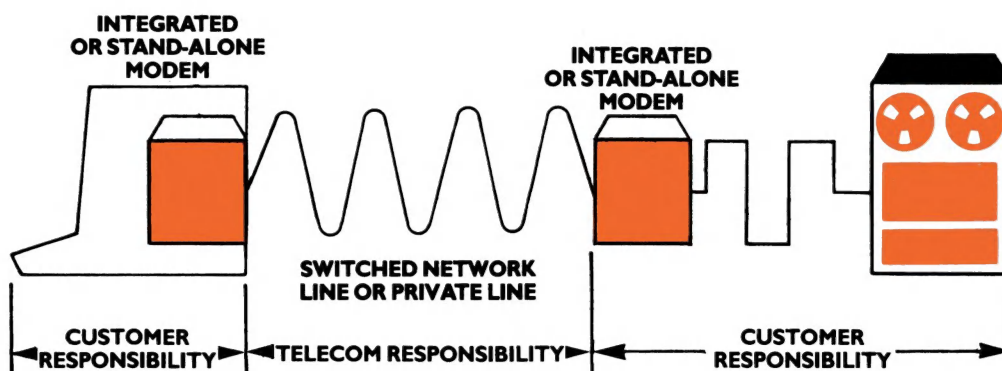
terminals operating at different data transmission rates. Access to AUSTPAC is via dedicated leased lines or the Public Switched Telephone Network (PSTN) for Asynchronous Character Mode Terminals. Synchronous (X25) terminals access AUSTPAC via dedicated connection only. For available speeds please contact your nearest Data Office.



## Analogue Data Service (ADS)

As an alternative to the Datel Service, the Analogue Data Service offers standard voice quality transmission lines to customers wishing to use

privately-supplied terminal equipment with built in modems or stand-alone modems on both Switched and Private Line networks. With ADS, Telecom is responsible for the maintenance of the **line** only.



### Applying for a Service

To apply for a Telecom Data Service you will need:

- a Data Service application form, and
- an Application to Connect form

### Data Service Application Form

Data Service application forms are available from the Data Office in your State. (Form TS68 for Datel, DDS and ADS private line, or a specific AUSTPAC application form for AUSTPAC services). Telecom will provide the Data Service in accordance with the information on the application form and subject to the conditions of service listed on that form.

### Application to Connect Form

In addition, you will also need to obtain an Application to Connect form **from the Supplier of your Data Terminal Equipment (DTE)** (TS76 or TS83 Form for Datel, DDS and AUSTPAC, and TS72 for ADS private line).

This form ensures that your DTE conforms to electrical safety standards to prevent dangerous voltages from harming the telecommunications network and its users (please note that a permit to

connect does not imply an endorsement of, or a quality guarantee for a product).

**Note:** If different equipment is to be used at different locations on a data private line service, a separate Application to Connect form is required for each type of DTE.

The Application to Connect form will contain:

1. **The DTE authorisation number** eg. C83/7/500B which is allocated by Telecom to the DTE supplier, and
2. **The configuration number/code** eg. BR80112 which must be specified by the DTE supplier according to the facilities required and the equipment interface capabilities.

Telecom's Data Office Staff will assist you should there be any difficulty in completing or obtaining either form.

**Note:** As penalties apply under the Telecommunications (General) By-Laws where an unauthorised DTE is connected to the Telecom network, please ensure that your DTE has been authorised by Telecom.

## Lodgement of Service Applications

To facilitate service provision, please forward all Data Service applications with the exception of Switched Network ADS, directly to one of the Data Offices listed below.

Switched Network ADS service applications may be lodged at any Telecom Business Office. TBO addresses are listed in Telecom's White Pages Telephone Directory.

### N.S.W.

Business Sales Section  
Commercial Department  
16th Floor,  
157 Liverpool Street,  
SYDNEY, N.S.W. 2000  
Telephone: (02) 267 6767

### VIC.

Business Sales Section  
Commercial Department  
8th Floor,  
484 St. Kilda Road,  
MELBOURNE, VIC. 3004  
Telephone: (03) 11 510

### QLD.

Telegraphs and Data Branch  
Operations Department  
5th Floor, Societe Generale House  
Cnr. Creek and Elizabeth Streets,  
BRISBANE, QLD. 4000  
Telephone: (07) 835 6400

### S.A.

Telegraphs and Data Branch  
Operations Department  
5th Floor, BP House  
30 Flinders Street,  
ADELAIDE, S.A. 5000  
Telephone: (08) 217 9367

### W.A.

Telegraphs and Data Branch  
Operations Department  
4th Floor, Telecom Centre  
80 Stirling Street,  
PERTH, W.A. 6000  
Telephone: (09) 420 7477

### TAS.

Business Systems Branch  
Operations Department  
2nd Floor, Knopwood House  
38 Montpelier Retreat  
BATTERY POINT, TAS. 7000  
Telephone: (002) 20 8800

### A.C.T.

Telegraphs and Data Section  
Operations Department  
490 Northbourne Avenue  
DICKSON, A.C.T. 2602  
Telephone: (062) 45 5555

### N.T.

District Telecommunications Branch  
Operations Department  
3rd Floor, Hooker Building  
47 Mitchell Street,  
DARWIN, N.T. 5790  
Telephone: (089) 89 3266



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